

Table 23.—Cattle slaughter concentration: 4, 8, 20, and 50 largest firms, selected years 1980-2000

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr. ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - - No. - - -	Mil.	Pct.	Index	Mil.	
Concentration based on procurement data reported to GIPSA ⁵																		
1980	23	9.6	28.4	47	14.0	41.3	65	17.6	52.2	108	21.9	64.7	743	667	30.8	91.0	361	33.8
1985	20	14.2	39.0	29	18.0	49.6	55	23.6	65.0	95	28.3	77.9	538	477	34.3	94.4	617	36.3
1990	26	19.5	58.6	37	22.5	67.8	54	26.3	79.0	90	29.7	89.5	387	344	31.9	95.9	1,118	33.2
1992	27	20.9	63.5	39	23.4	71.1	52	26.6	80.8	84	29.6	89.9	339	293	31.2	94.9	1,336	32.9
1993	29	22.0	66.0	38	24.4	73.3	53	27.7	83.1	88	30.5	91.5	315	267	31.7	95.0	1,393	33.3
1994	30	23.2	67.8	39	25.4	74.3	55	28.6	83.6	88	31.3	91.5	289	239	32.4	94.8	1,460	34.2
1995	30	24.0	67.3	36	26.2	73.6	51	29.7	83.4	84	32.7	91.9	279	230	33.8	94.9	1,437	35.6
1996	32	24.8	67.7	39	27.2	74.4	54	31.2	85.4	90	34.6	94.6	274	222	35.7	97.7	1,437	36.6
1997	31	24.4	67.1	38	27.0	74.5	54	31.1	85.6	87	34.0	93.7	258	211	35.0	96.5	1,415	36.3
1998	31	24.6	69.2	39	27.3	77.0	54	30.9	87.2	86	33.4	94.2	216	175	34.1	96.1	1,469	35.5
1999	27	25.1	69.3	34	27.9	77.3	49	31.8	87.8	85	34.2	94.7	204	166	34.8	96.2	1,444	36.2
Concentration based on federally inspected slaughter data ⁶																		
1992	27	21.1	64.3	35	23.7	72.1	51	27.1	82.4	84	30.2	91.8	971	950	32.1	97.6	1,369	32.9
1993	28	22.2	66.8	37	24.8	74.4	52	28.1	84.4	84	31.0	93.1	934	909	32.6	97.8	1,418	33.3
1994	28	23.5	68.7	36	25.8	75.6	51	29.4	85.9	84	32.3	94.7	882	861	33.8	99.0	1,482	34.2
1995	31	24.6	69.0	37	26.9	75.4	52	30.4	85.4	84	33.4	93.7	836	812	34.9	97.9	1,505	35.6
1996	32	24.3	66.4	39	26.7	73.0	54	30.8	84.2	82	34.2	93.4	812	790	35.7	97.6	1,402	36.6
1997	31	24.6	67.6	38	27.2	74.9	54	31.2	85.9	82	34.2	94.1	822	799	35.6	97.9	1,420	36.3
1998	30	24.7	69.5	37	27.1	76.5	52	30.9	87.1	81	33.7	95.0	795	769	34.8	98.1	1,475	35.5
1999	28	25.4	70.4	35	28.3	78.4	49	32.1	88.7	76	34.6	95.8	759	735	35.5	98.2	1,477	36.2
2000	25	25.2	69.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	738	NA	35.6	98.3	NA	36.2

NA denotes data not available.

¹ Conc. = concentration, the percentage of total commercial slaughter.² Share = percentage of total commercial slaughter.³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.⁴ Comm. sltr. = total commercial slaughter of cattle during the calendar year.⁵ Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.⁶ Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.

Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, *Livestock Slaughter, Annual Summary*, National Agricultural Statistics Service, MTAN 1-2-1; and Federally inspected slaughter data from National Agricultural Statistics Service. (GIPSA-SR-02-1)

Table 24.—Steer and heifer slaughter concentration: 4, 8, 20, and 50 largest firms, selected years 1980-2000

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr. ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - - No. - - -	Mil.	Pct.	Index	Mil.	
Concentration based on procurement data reported to GIPSA ⁵																		
1980	23	9.5	35.7	47	13.8	51.4	66	17.1	64.1	103	20.3	75.9	626	561	24.5	91.5	561	26.7
1985	20	14.1	50.2	29	18.0	63.9	50	22.1	78.4	91	25.3	89.9	436	389	27.0	96.0	999	28.1
1990	26	19.1	71.6	36	21.9	82.1	52	24.4	91.5	84	25.5	95.4	310	275	25.8	96.6	1,661	26.7
1992	26	20.5	77.8	34	22.6	85.9	46	24.4	92.7	82	25.1	95.2	265	230	25.3	95.9	2,005	26.4
1993	28	21.2	79.8	35	23.3	87.6	47	24.9	93.8	82	25.4	95.6	255	217	25.6	96.1	2,052	26.6
1994	25	22.3	80.9	32	24.2	87.5	44	25.6	92.5	78	26.0	94.1	229	195	26.1	94.6	2,096	27.6
1995	27	22.8	79.3	32	24.7	86.1	44	26.6	92.9	81	27.2	95.0	216	182	27.3	95.4	1,982	28.7
1996	28	23.0	80.4	34	25.1	87.8	46	27.5	96.1	84	28.2	98.7	211	174	28.3	99.2	1,987	28.6
1997	27	22.8	78.4	33	25.1	86.3	45	27.2	93.4	79	27.7	95.4	195	162	27.8	95.7	1,899	29.1
1998	25	23.1	80.0	32	25.5	88.1	45	27.0	93.6	77	27.5	95.2	165	136	27.6	95.5	1,925	28.9
1999	23	24.0	80.6	29	26.5	88.9	41	28.3	95.0	75	28.8	96.5	157	130	28.8	96.7	1,920	29.8
Concentration based on federally inspected slaughter data ⁶																		
1992	27	20.5	77.8	35	22.8	86.7	48	24.8	94.0	76	25.4	96.3	937	919	25.7	97.6	2,016	26.4
1993	27	21.4	80.7	34	23.6	88.6	46	25.2	94.9	73	25.7	96.7	894	877	26.0	97.8	2,082	26.6
1994	27	22.5	81.7	33	24.5	88.6	45	26.3	95.1	73	26.7	96.9	848	828	27.0	97.9	2,100	27.6
1995	28	23.2	80.8	33	25.2	87.7	45	27.1	94.7	71	27.8	97.0	801	783	28.1	97.9	2,036	28.7
1996	28	22.5	78.8	34	24.6	86.1	45	26.9	94.0	72	27.6	96.7	780	765	27.9	97.6	1,935	28.6
1997	27	23.1	79.5	33	25.5	87.8	45	27.6	95.0	70	28.2	97.1	787	772	28.8	97.9	1,927	29.1
1998	25	23.2	80.4	31	25.4	88.1	43	27.5	95.1	70	28.1	97.3	758	743	28.3	98.1	1,936	28.9
1999	24	24.2	81.3	30	26.8	89.9	42	28.6	95.8	72	29.0	97.4	730	711	29.3	98.2	1,942	29.8
2000	23	24.5	81.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.6	98.3	NA	30.1

NA denotes data not available.

¹ Conc. = concentration, the percentage of total commercial slaughter.² Share = percentage of total commercial slaughter.³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.⁴ Comm. sltr. = total commercial slaughter of fed and non-fed steers and heifers during the calendar year.⁵ Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.⁶ Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1; and Federally inspected slaughter data from National Agricultural Statistics Service.

(GIPSA-SR-02-1)

Table 25.—Cow and bull slaughter concentration: 4, 8, 20, and 50 largest firms, selected years 1980-2000

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr. ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - - No. - - -	Mil.	Pct.	Index	Mil.	
Concentration based on procurement data reported to GIPSA ⁵																		
1980	5	0.7	9.7	14	1.3	18.3	31	2.5	35.2	67	3.9	55.5	622	579	6.3	89.0	89	7.1
1985	12	1.4	17.2	18	2.2	27.0	32	3.7	45.4	68	5.4	65.7	458	426	7.2	88.9	160	8.1
1990	9	1.3	20.4	17	2.2	33.2	29	3.8	57.6	64	5.3	81.4	324	307	6.1	93.4	223	6.6
1992	11	1.4	22.0	17	2.3	35.8	30	3.9	60.0	62	5.3	81.7	274	256	5.9	90.9	243	6.5
1993	11	1.6	24.0	17	2.6	38.4	30	4.3	63.4	65	5.7	84.8	249	229	6.1	90.6	276	6.7
1994	13	1.7	26.3	20	2.7	41.1	34	4.5	67.8	67	5.9	90.0	229	205	6.3	95.5	320	6.6
1995	11	1.6	23.4	18	2.7	38.5	32	4.7	67.6	64	6.1	88.2	219	198	6.5	93.1	293	7.0
1996	15	2.2	28.0	22	3.4	42.4	35	5.6	70.5	66	7.1	88.2	212	188	7.4	92.5	362	8.0
1997	14	2.2	30.6	21	3.4	47.5	35	5.5	75.3	66	6.9	95.2	195	175	7.2	99.6	413	7.3
1998	14	2.2	32.7	21	3.3	50.7	35	5.3	80.1	65	6.3	95.8	163	146	6.5	98.6	463	6.6
1999	14	1.8	28.6	18	3.1	48.1	30	4.9	77.3	63	5.8	91.5	153	138	5.9	93.7	391	6.3
Concentration based on federally inspected slaughter data ⁶																		
1992	12	1.5	23.6	16	2.4	37.3	32	4.1	62.8	62	5.6	86.2	877	866	6.3	97.6	271	6.5
1993	11	1.7	24.7	16	2.6	39.0	31	4.5	66.3	61	6.0	89.1	838	829	6.6	97.9	300	6.7
1994	12	1.6	24.8	16	2.6	39.4	31	4.4	67.5	62	6.0	90.4	799	790	6.4	97.9	306	6.6
1995	14	1.9	27.6	19	2.9	42.0	34	4.9	70.0	64	6.3	91.1	752	743	6.8	97.9	346	7.0
1996	15	2.4	29.4	20	3.5	44.2	35	5.8	72.0	65	7.3	91.1	732	723	7.8	97.6	387	8.0
1997	17	2.2	30.2	22	3.3	45.8	37	5.3	72.4	66	6.7	91.9	729	717	7.1	97.9	391	7.3
1998	18	2.2	32.9	22	3.3	50.0	38	5.1	77.9	67	6.2	93.4	687	671	6.5	98.1	455	6.6
1999	15	2.0	31.0	23	3.2	50.8	34	5.0	79.5	64	6.0	94.2	660	648	6.2	98.2	437	6.3
2000	14	2.0	32.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.0	98.3	NA	6.1

NA denotes data not available.

¹ Conc. = concentration, the percentage of total commercial slaughter.² Share = percentage of total commercial slaughter.³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.⁴ Comm. sltr. = total commercial slaughter of cows and bulls during the calendar year.⁵ Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.⁶ Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.

Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1; and Federally inspected slaughter data from National Agricultural Statistics Service. (GIPSA-SR-02-1)

Table 26.—Calf slaughter concentration: 4, 8, 20, and 50 largest firms, reporting slaughter packers, selected reporting years 1980-99

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr. ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - -No.- - -	Mil.	Pct.	Index	Mil.	
1980	16	0.8	31.0	20	1.1	44.9	36	1.6	62.5	68	2.0	78.3	295	273	2.2	86.7	339	2.6
1985	22	1.1	31.1	32	1.4	42.6	49	2.1	62.0	101	2.7	78.7	270	219	2.8	83.4	349	3.4
1990	7	0.6	31.1	12	0.8	47.2	41	1.3	71.5	73	1.6	90.6	194	169	1.7	93.8	416	1.8
1992	6	0.3	25.1	10	0.6	40.1	33	0.9	65.4	74	1.1	79.8	168	139	1.1	81.3	296	1.4
1993	9	0.3	25.9	13	0.5	41.8	36	0.8	70.2	72	1.0	86.1	154	129	1.0	87.3	335	1.2
1994	7	0.3	24.3	16	0.5	40.2	41	0.8	65.9	78	1.0	76.2	137	108	1.0	76.9	300	1.3
1995	8	0.4	27.9	16	0.6	43.4	40	1.1	75.2	82	1.3	89.0	133	100	1.3	89.9	383	1.4
1996	4	0.3	19.1	11	0.6	33.5	41	1.1	63.6	86	1.4	77.8	133	97	1.4	78.4	237	1.8
1997	5	0.3	21.9	10	0.6	38.0	31	1.0	66.5	70	1.2	77.9	111	90	1.2	78.4	268	1.6
1998	5	0.3	23.6	9	0.6	41.8	26	1.0	71.2	56	1.2	79.5	82	76	1.2	79.6	312	1.5
1999	5	0.4	29.6	11	0.6	48.4	29	1.0	75.5	60	1.1	82.6	85	75	1.1	82.7	386	1.3

¹ Conc. = concentration, the percentage of total commercial slaughter. Numerator values are for firms' reporting years.

² Share = percentage of total commercial slaughter. Numerator values are for firms' reporting years.

³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.

⁴ Comm. sltr. = total commercial slaughter of calves during the calendar year.

Source: Annual reports filed with GIPSA and U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1.

(GIPSA-SR-02-1)

Table 27.—Hog slaughter concentration: 4, 8, 20, and 50 largest firms, selected years 1980-2000

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr. ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - -No.- - -	Mil.	Pct.	Index	Mil.	
Concentration based on procurement data reported to GIPSA ⁵																		
1980	27	32.3	33.6	39	48.9	50.9	60	68.4	71.2	102	85.7	89.2	509	446	92.9	96.7	436	96.1
1985	23	27.2	32.2	32	42.9	50.8	64	68.0	80.5	105	77.4	91.6	403	338	80.4	95.2	456	84.5
1990	16	34.3	40.3	24	49.5	58.1	48	70.5	82.8	88	77.5	91.0	335	290	80.2	94.2	593	85.1
1992	17	41.5	43.8	25	59.4	62.6	45	81.6	86.0	82	88.8	93.6	300	258	91.6	96.5	689	94.9
1993	16	40.5	43.5	30	60.5	65.0	45	80.1	86.1	80	86.8	93.3	273	234	89.1	95.8	704	93.1
1994	17	42.4	44.3	27	64.5	67.4	42	81.8	85.5	80	87.1	91.0	254	217	89.2	93.2	734	95.7
1995	17	43.8	45.5	27	66.8	69.4	42	84.1	87.3	81	89.5	92.9	245	209	91.6	95.1	754	96.3
1996	19	45.8	49.6	27	64.0	69.2	42	77.7	84.1	79	81.8	88.5	232	200	83.5	90.4	797	92.4
1997	19	49.9	54.3	28	69.6	75.7	43	82.4	89.6	80	86.1	93.7	218	184	87.8	95.5	969	92.0
1998	18	54.4	53.9	27	76.1	75.4	48	87.7	86.8	79	90.7	89.8	182	152	91.8	90.9	960	101.0
1999	18	57.7	56.8	27	80.6	79.4	43	93.7	92.3	79	97.0	95.5	174	145	98.1	96.6	1,045	101.5
Concentration based on federally inspected slaughter data ⁶																		
1992	17	42.2	44.4	24	59.7	62.9	41	82.1	86.5	75	89.6	94.4	921	908	92.6	97.6	702	94.9
1993	17	40.2	43.2	25	60.2	64.7	41	80.5	86.5	75	88.2	94.8	891	880	91.0	97.7	695	93.1
1994	16	42.6	44.5	25	65.2	68.2	40	84.4	88.2	72	90.8	94.9	830	821	93.4	97.6	743	95.7
1995	16	44.0	45.7	28	67.5	70.1	43	85.1	88.4	76	91.8	95.3	802	784	94.2	97.8	769	94.2
1996	19	51.1	55.3	25	67.4	72.9	38	82.7	89.5	74	88.2	95.4	770	754	90.5	98.1	961	92.4
1997	19	49.8	54.2	26	69.6	75.7	40	84.2	91.6	74	88.2	95.9	767	754	90.2	98.3	976	92.0
1998	18	56.8	56.3	25	78.9	78.1	40	92.5	93.6	75	97.1	96.3	757	744	99.3	98.3	1,036	101.0
1999	18	57.0	56.2	25	79.7	78.5	42	94.3	92.9	74	97.8	96.3	728	708	99.7	98.2	1,020	101.5
2000	18	55.2	56.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	721	NA	96.4	98.4	NA	98.0

NA denotes data not available.

¹ Conc. = concentration, the percentage of total commercial slaughter.² Share = percentage of total commercial slaughter.³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.⁴ Comm. sltr. = total commercial slaughter of hogs during the calendar year.⁵ Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.⁶ Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, Livestock Slaughter, Annual Summary, National Agricultural Statistics Service, MTAN 1-2-1; and Federally inspected slaughter data from National Agricultural Statistics Service.

(GIPSA-SR-02-1)

Table 28.—Sheep and lamb slaughter concentration: 4, 8, 20, and 50 largest firms, selected years 1980-2000

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Comm. sltr. ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - -No.- - -	Mil.	Pct.	Index	Mil.	
Concentration based on procurement data reported to GIPSA ⁵																		
1980	8	3.1	55.9	12	4.6	82.8	24	5.3	95.7	54	5.4	97.4	195	190	5.5	97.7	1,050	5.6
1985	6	3.2	51.2	11	4.9	80.2	23	5.9	94.9	53	5.9	96.4	157	154	6.0	96.6	983	6.2
1990	10	4.0	70.2	14	4.4	77.5	26	4.6	80.8	58	4.6	81.6	138	130	4.6	81.8	1,580	5.7
1992	8	4.3	78.0	13	4.9	89.9	26	5.2	94.1	57	5.2	95.1	120	112	5.2	95.2	1,991	5.5
1993	7	3.9	75.1	11	4.5	87.1	26	4.8	91.8	57	4.8	92.9	116	107	4.8	93.0	1,768	5.2
1994	6	3.7	75.5	10	4.2	85.5	23	4.5	90.6	55	4.6	92.2	110	105	4.6	92.3	1,880	4.9
1995	6	3.6	77.9	10	4.1	89.7	22	4.3	94.0	53	4.4	95.6	98	94	4.4	95.6	1,917	4.6
1996	5	3.1	73.1	9	3.4	81.3	21	3.7	87.8	53	3.7	89.3	95	92	3.7	89.4	1,654	4.2
1997	4	2.4	62.4	8	2.9	73.3	20	3.1	79.0	51	3.1	80.6	82	81	3.2	80.6	1,291	3.9
1998	5	2.5	66.8	9	3.1	80.3	21	3.2	85.2	51	3.3	86.2	69	68	3.3	86.2	1,415	3.8
1999	5	2.6	69.2	9	3.0	80.1	21	3.1	84.7	51	3.2	85.9	68	67	3.2	86.0	1,415	3.7
Concentration based on federally inspected slaughter data ⁶																		
1992	8	3.9	71.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	748	NA	5.3	96.2	NA	5.5
1993	7	3.8	72.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	711	NA	5.0	96.5	NA	5.2
1994	6	3.6	72.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	652	NA	4.8	96.3	NA	4.9
1995	6	3.3	71.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	617	NA	4.4	96.2	NA	4.6
1996	5	3.0	72.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	593	NA	4.1	97.1	NA	4.2
1997	5	2.5	64.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	572	NA	3.8	97.7	NA	3.9
1998	5	2.6	68.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	556	NA	3.7	96.5	NA	3.8
1999	5	2.5	67.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	561	NA	3.6	96.1	NA	3.7
2000	5	2.3	67.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	541	NA	3.3	95.6	NA	3.5

NA denotes data not available.

¹ Conc. = concentration, the percentage of total commercial slaughter.² Share = percentage of total commercial slaughter.³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total commercial slaughter.⁴ Comm. sltr. = total commercial slaughter of sheep and lambs during the calendar year.⁵ Numerator values are number of head procured for slaughter during each firm's reporting (fiscal) year.⁶ Numerator values are number of head slaughtered in calendar year. Number of plants may differ from data reported to GIPSA due to timing of plant openings and closings.Source: Annual reports filed with GIPSA; U.S. Department of Agriculture, *Livestock Slaughter, Annual Summary*, National Agricultural Statistics Service, MTAN 1-2-1; and Federally inspected slaughter data from National Agricultural Statistics Service.

(GIPSA-SR-02-1)

Table 29.—Boxed fed beef production concentration: 4, 8, 20, and 50 largest firms, reporting slaughter packers, 1980-99 reporting years

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Total beef ⁴
	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Head	Conc. ¹	Plants	Firms	Head	Share ²	HHI ³	
	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	No.	Mil.	Pct.	- - - No. - - -	Mil.	Pct.	Index	Mil.	
1980	11	7.2	52.9	22	9.3	67.9	39	11.5	84.1	72	11.9	87.4	97	75	12.0	87.7	1,220	13.7
1981	14	8.6	57.1	23	10.7	71.1	39	13.0	86.3	70	13.4	89.2	90	70	13.5	89.4	1,359	15.1
1982	13	9.6	59.1	20	12.0	73.7	37	14.3	87.7	69	14.8	90.6	87	68	14.8	90.8	1,323	16.3
1983	14	11.2	60.2	19	13.7	73.6	34	16.3	87.6	65	16.8	90.7	86	71	16.9	90.8	1,382	18.6
1984	17	12.1	61.7	23	14.9	75.7	38	17.8	90.6	71	18.5	93.9	94	73	18.5	94.2	1,439	19.6
1985	15	12.8	61.5	24	16.4	78.7	39	19.4	93.2	72	20.1	96.2	90	68	20.1	96.3	1,527	20.9
1986	16	14.7	67.4	22	18.5	85.2	35	20.7	95.0	67	21.1	96.8	82	65	21.1	96.8	1,691	21.8
1987	23	18.0	79.5	28	20.0	88.6	41	21.5	95.4	72	21.9	97.0	97	74	21.9	97.1	1,981	22.6
1988	21	18.5	79.3	28	20.6	88.7	41	22.1	95.1	71	22.5	96.6	98	77	22.5	96.7	2,030	23.3
1989	20	18.1	79.2	27	20.2	88.2	41	21.7	94.7	71	22.0	96.1	91	70	22.0	96.2	1,979	22.9
1990	24	18.3	79.3	28	20.5	88.7	41	22.1	96.0	71	22.4	97.1	81	60	22.4	97.1	1,988	23.1
1991	22	18.5	78.7	26	20.4	87.1	38	22.4	95.3	69	22.8	97.2	90	70	22.8	97.3	1,958	23.5
1992	22	19.4	81.4	26	21.5	90.0	38	23.0	96.4	69	23.2	97.2	69	50	23.2	97.2	2,163	23.8
1993	20	19.8	82.7	25	21.8	90.7	37	23.0	96.0	NA	NA	NA	62	45	23.1	96.4	2,236	24.0
1994	21	21.3	85.7	26	23.0	92.5	38	24.1	97.1	NA	NA	NA	57	39	24.2	97.5	2,340	24.8
1995	21	22.1	84.3	25	23.8	90.9	37	25.3	96.7	NA	NA	NA	55	38	25.4	97.0	2,208	26.2
1996	21	22.4	82.3	26	24.6	90.4	41	26.6	97.9	NA	NA	NA	63	42	26.8	98.4	2,061	27.2
1997	21	22.0	82.6	26	24.2	90.8	38	26.1	97.9	70	26.4	98.8	72	52	26.4	98.8	2,088	26.7
1998	21	22.4	84.2	27	24.5	92.4	39	26.0	98.0	NA	NA	NA	64	44	26.2	98.5	2,108	26.6
1999	20	23.0	84.5	26	25.3	92.8	39	26.9	98.7	NA	NA	NA	61	42	27.0	99.0	2,085	27.3

NA denotes data not applicable because there were fewer than 50 firms.

¹ Conc. = concentration, the percentage of total boxed beef production. Numerator values are for firms' reporting years.

² Share = percentage of total U.S. boxed beef production. Numerator values are for firms' reporting years.

³ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total U.S. boxed beef production.

⁴ Includes all U.S. production during the calendar year by slaughtering and nonslaughtering fabricators, but not retail stores.

Table 30.—Livestock purchase concentration: 4, 8, 20, and 50 largest¹ firms, reporting slaughter packers, 1980-99 reporting years

Year	Top 4 firms			Top 8 firms			Top 20 firms			Top 50 firms			All reporting firms					Total U.S. purc. ⁶
	Plants	Purc. ²	Conc. ³	Plants	Purc. ²	Conc. ³	Plants	Purc. ²	Conc. ³	Plants	Purc. ²	Conc. ³	Plants	Firms	Purc. ²	Share ⁴	HHI ⁵	
	No.	Bil. dol.	Pct.	No.	Bil. dol.	Pct.	No.	Bil. dol.	Pct.	No.	Bil. dol.	Pct.	- - No. - -	Bil. dol.	Pct.	Index	Bil. dol.	
1980	47	8.3	25.5	74	13.0	40.0	110	17.2	53.0	163	21.2	65.3	983	810	30.1	92.6	285	32.5
1981	40	9.0	27.2	73	13.6	41.3	106	18.0	54.4	160	22.5	68.2	913	744	30.6	92.5	308	33.0
1982	38	9.4	28.3	69	14.0	42.1	102	18.7	56.4	154	23.4	70.3	898	717	31.2	93.8	322	33.2
1983	41	10.4	30.4	64	13.9	40.7	99	18.8	55.1	162	23.6	69.3	909	709	31.1	91.4	370	34.0
1984	40	11.3	33.5	61	14.8	43.8	106	20.3	59.9	181	24.9	73.5	882	674	31.7	93.6	447	33.8
1985	37	11.0	34.0	51	14.3	44.1	103	20.4	63.0	176	25.2	77.9	817	615	30.8	95.0	464	32.4
1986	35	11.8	37.0	49	15.1	47.6	95	20.7	65.2	156	25.1	78.8	751	555	30.1	94.7	523	31.8
1987	50	16.4	47.3	71	19.4	56.0	102	24.2	69.8	156	28.2	81.4	737	144	33.2	95.8	759	34.7
1988	47	17.7	49.1	71	21.0	58.1	98	25.5	70.6	150	29.6	82.0	720	537	34.7	96.0	825	36.1
1989	45	18.7	51.2	66	21.9	60.0	92	26.0	71.1	138	30.1	82.3	650	508	34.7	94.8	869	36.6
1990	46	20.5	53.1	65	24.0	62.0	92	28.4	73.5	131	32.8	84.7	629	497	36.8	95.2	942	38.7
1991	43	21.3	54.9	60	24.6	63.5	83	29.2	75.5	119	33.3	85.9	594	468	36.9	95.2	1,006	38.7
1992	46	22.7	59.4	58	25.6	67.0	83	29.7	77.6	121	33.5	87.5	573	437	36.6	95.6	1,176	38.3
1993	48	24.9	62.9	60	27.9	70.3	83	31.6	79.8	120	35.1	88.6	535	407	37.8	95.4	1,239	39.6
1994	51	25.1	62.7	62	28.2	70.3	85	32.5	81.1	121	35.5	88.6	507	373	37.9	94.5	1,219	40.1
1995	49	23.0	62.1	58	25.9	69.9	78	29.7	80.2	115	32.9	88.8	492	360	35.2	94.9	1,209	37.1
1996	49	22.9	62.2	62	26.3	71.4	77	30.0	81.3	122	33.1	89.8	481	348	35.2	95.5	1,214	36.8
1997	49	23.7	61.0	62	28.4	72.9	76	32.0	82.3	119	35.1	90.3	444	331	37.2	95.6	1,170	38.9
1998	48	22.4	63.1	62	26.6	74.9	81	29.7	83.7	124	32.1	90.3	373	279	33.6	94.5	1,208	35.5
1999	44	22.5	65.8	57	26.2	76.4	75	29.2	85.1	112	31.5	91.9	359	269	32.9	96.1	1,316	34.3

¹ Based on total amount spent for all livestock slaughtered.

² Purc. = livestock purchases.

³ Conc. = concentration, the percentage of total U.S. livestock purchases. Numerator values are for firms' reporting years.

⁴ Share = percentage of total U.S. livestock purchases. Numerator values are for firms' reporting years.

⁵ HHI (Herfindahl-Hirshman Index) equals the sum of each firm's squared percentage share of total livestock purchases.

⁶ Total value of all livestock purchased for slaughter by reporting packers during their reporting years, plus the value of livestock slaughtered by nonreporting packers during the calendar year, based on reported average prices and weights.

Source: U.S. Department of Agriculture, Livestock Slaughter, National Agricultural Statistics Service, various issues; U.S. Department of Agriculture, Agricultural Prices, National Agricultural Statistics Service, various issues; and annual reports filed with GIPSA.

(GIPSA-SR-02-1)

Table 31.— Sales, expenses, and operating income of 4, 8, 20, and 40 largest¹ meatpacking firms, 1999 reporting year

Item	1st - 4th	5th - 8th	9th - 20th	21st - 40th	Top 8	Top 20	Top 40
<u>Percent of sales</u>							
Net sales	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Cost of sales							
Livestock purchases	67.27	47.29	36.02	62.33	63.56	59.02	59.22
Total cost of sales	81.65	63.52	74.50	80.05	78.28	77.66	77.80
Gross income	18.35	36.48	25.50	19.95	21.72	22.34	22.20
Operating expenses:							
Manufacturing	8.98	15.88	5.80	12.47	10.26	9.52	9.70
Advertising & selling expenses	0.83	9.11	8.03	1.01	2.37	3.30	3.17
General & administrative	2.39	2.46	4.11	2.53	2.41	2.69	2.68
Depreciation & amortization	0.64	1.12	0.49	0.68	0.73	0.69	0.69
Interest	0.58	0.60	0.19	0.36	0.59	0.52	0.51
Other	2.57	3.45	2.89	1.81	2.73	2.76	2.70
Total operating expenses	16.00	32.62	21.52	18.86	19.08	19.48	19.45
Operating income (loss) ²	2.35	3.86	3.98	1.09	2.63	2.86	2.75

Note: Reported financial figures may include information on operations other than meat packing.

¹ Ranking determined by total amount spent for all livestock slaughtered.

² Operating income (loss) equals gross income per dollar of sales minus total operating expenses per dollar of sales.

(GIPSA-SR-02-1)

Table 32.—Selected financial ratios for 4, 8, 20, and 40 largest¹ meatpacking firms, 1999 reporting year

Item	1st - 4th	5th - 8th	9th - 20th	21st - 40th	Top 8	Top 20	Top 40
Net sales per \$ of assets	4.700	3.148	2.704	3.916	4.306	3.923	3.922
Net sales per \$ of equity	9.194	8.316	4.722	8.884	9.017	8.235	8.271
Gross income per \$ of sales	0.183	0.365	0.255	0.199	0.217	0.223	0.222
Gross income per \$ of assets	0.862	1.148	0.689	0.781	0.935	0.876	0.871
Gross income per \$ of equity	1.687	3.033	1.459	1.772	1.958	1.840	1.836
Total operating expenses per \$ of sales	0.160	0.326	0.215	0.189	0.191	0.195	0.194
Total operating expenses per \$ of assets	0.752	1.027	0.582	0.739	0.822	0.764	0.763
Total operating expenses per \$ of equity	1.471	2.712	1.231	1.675	1.721	1.605	1.608
Operating income per \$ of sales	0.024	0.039	0.040	0.011	0.026	0.029	0.028
Operating income per \$ of assets	0.111	0.122	0.108	0.043	0.113	0.112	0.108
Operating income per \$ of equity	0.216	0.321	0.228	0.097	0.237	0.235	0.227
Equity to asset ratio	0.511	0.379	0.473	0.441	0.477	0.476	0.474

Note: Reported financial figures may include information on operations other than meat packing.

¹ Ranking determined by total amount spent for all livestock slaughtered.

(GIPSA-SR-02-1)

Table 33.—Gross income of 4, 8, 20, and 40 largest¹ meatpacking firms, 1992-99 reporting years

Year	1st - 4th	5th - 8th	9th - 20th	21st - 40th	Top 8	Top 20	Top 40
<u>Percent of sales</u>							
1992	14.3	10.6	29.2	18.7	13.8	17.2	17.4
1993	12.5	26.7	22.1	16.1	14.8	16.2	16.2
1994	14.6	26.4	23.9	14.6	17.5	18.5	18.3
1995	17.5	32.2	24.0	19.0	19.8	20.9	20.7
1996	13.9	27.6	24.0	17.2	16.1	17.4	17.4
1997	14.8	25.7	22.9	14.1	17.3	18.2	18.0
1998	16.2	31.6	26.3	16.5	19.1	20.3	21.0
1999	18.3	36.5	25.5	19.9	21.7	22.3	22.2

Note: Reported financial figures may include information on operations other than meat packing.

¹ Ranking determined by total amount spent for all livestock slaughtered.

Table 34.—Total operating expenses of 4, 8, 20, and 40 largest¹ meatpacking firms, 1992-99 reporting years

Year	1st - 4th	5th - 8th	9th - 20th	21st - 40th	Top 8	Top 20	Top 40
<u>Percent of sales</u>							
1992	13.7	10.3	25.3	17.8	13.3	16.0	16.2
1993	11.9	24.4	19.3	15.7	13.9	14.9	15.0
1994	12.5	21.2	20.2	13.5	14.6	15.5	15.4
1995	14.2	28.3	19.0	17.3	16.4	17.0	17.1
1996	12.0	24.9	20.8	16.5	14.1	15.2	15.3
1997	13.8	23.1	19.1	13.2	15.7	16.3	16.1
1998	14.8	28.1	21.3	16.1	17.3	18.0	18.6
1999	16.0	32.6	21.5	18.9	19.1	19.5	19.4

Note: Reported financial figures may include information on operations other than meat packing.

¹ Ranking determined by total amount spent for all livestock slaughtered.

Table 35.—Operating income of 4, 8, 20, and 40 largest¹ meatpacking firms, 1992-99 reporting years

Year	1st - 4th	5th - 8th	9th - 20th	21st - 40th	Top 8	Top 20	Top 40
<u>Percent of sales</u>							
1992	0.56	0.35	3.86	0.93	0.53	1.27	1.23
1993	0.68	2.30	2.80	0.38	0.94	1.29	1.21
1994	2.11	5.21	3.73	1.15	2.87	3.01	2.89
1995	3.33	3.91	5.05	1.67	3.43	3.83	3.69
1996	1.90	2.70	3.21	0.71	2.02	2.22	2.11
1997	1.22	2.63	3.72	0.85	1.53	1.90	1.83
1998	1.43	3.57	5.02	0.42	1.83	2.38	2.37
1999	2.35	3.86	3.98	1.09	2.63	2.86	2.75

Note: Reported financial figures may include information on operations other than meat packing.

¹ Ranking determined by total amount spent for all livestock slaughtered.

(GIPSA-SR-02-1)

PART II. LIVESTOCK MARKETING

Table 36.—Reported volume and value of marketings of slaughter and nonslaughter classes of livestock through firms selling on commission,¹
by region and State, 1999

State and region ²	Cattle ³ and calves	Hogs and pigs	Sheep and lambs	Value of livestock
	Thous. head			Thous. dol.
New England ⁴	84	1	3	3,613
New Jersey	17	2	26	6,565
New York	500	14	19	127,156
Pennsylvania	610	197	274	248,520
North Atlantic	1,211	214	322	385,854
Illinois	539	907	55	368,572
Indiana	223	176	63	138,941
Michigan	519	33	76	255,927
Ohio	450	239	110	231,803
Wisconsin	1,108	53	65	458,958
East North Central	2,839	1,409	369	1,454,202
Iowa	1,526	745	212	871,071
Kansas	2,078	108	40	959,947
Minnesota	917	841	80	581,240
Missouri	2,992	510	56	1,282,353
Nebraska	2,508	1,446	21	1,384,408
North Dakota	870	26	99	439,007
South Dakota	2,729	1,003	468	1,572,830
West North Central	13,620	4,679	977	7,090,855
Delaware and Maryland	94	30	32	30,825
Florida	761	25	17	145,493
Georgia	723	66	41	252,263
North Carolina	425	884	28	179,926
South Carolina	201	77	30	73,187
Virginia	704	29	64	281,304
West Virginia	124	3	13	46,689
South Atlantic	3,032	1,114	225	1,009,687

See footnotes at end of table.

Continued—

Table 36.—Reported volume and value of marketings of slaughter and Nonslaughter classes of livestock through firms selling on commission,¹
by region and State, 1999—continued

State and region ²	Cattle ³ and calves	Hogs and pigs	Sheep and lambs	Value of livestock
	- - - - -	<u>Thous. head</u>	- - - - -	<u>Thous. dol.</u>
Alabama	689	17	28	216,593
Arkansas	799	33	19	335,853
Kentucky	1,057	76	33	410,695
Louisiana	318	43	16	118,811
Mississippi	551	20	19	240,005
Tennessee	1,127	22	49	399,753
South Central	4,541	211	164	1,721,710
Oklahoma	3,424	63	74	1,482,771
Texas	7,071	185	1,589	2,655,373
Southern Plains	10,494	248	1,663	4,138,144
Arizona	149	5	8	51,329
Colorado	782	22	123	476,680
Idaho	405	19	145	205,394
Montana	739	248	124	382,560
Nevada	56	1	5	21,539
New Mexico	452	3	23	186,559
Utah	268	98	21	184,800
Wyoming	500	1	30	240,967
Mountain	3,350	396	478	1,749,827
California	1,518	70	141	605,946
Oregon	172	4	15	74,722
Washington	335	17	26	141,159
Pacific	2,025	90	182	821,827
48 State Total	41,112	8,360	4,379	18,372,107

¹ Includes all auctions, terminal markets, video auctions, and country commission firms. A country commission firm is a market agency selling on commission that does not operate an auction or terminal market.

² Location of public markets. Livestock sold through a market in one State or region may move to other States or regions for further feeding, breeding, or slaughter.

³ Cattle includes steers, heifers, cows, and bulls.

⁴ Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

(GIPSA-SR-02-1)

Table 37.— Slaughter and nonslaughter livestock purchases, by reporting dealers and order buyers,¹ by region and State, 1999

State and region ²	Value of livestock ³			Volume of purchases		
	Bought on commission	Bought for own account	Total	Cattle ⁴ and calves	Hogs and pigs	Sheep and lambs
	- - - - - Thousand dollars - - - - -			- - - - - Thousand head - - - - -		
New England ⁵	10,690	38,883	49,573	169	12	11
New Jersey	0	1,142	1,142	1	11	12
New York	573	85,702	86,275	354	7	11
Pennsylvania	19,676	240,604	260,280	799	331	126
North Atlantic	30,939	366,331	397,270	1,323	361	160
Illinois	33,825	572,748	606,573	622	3,467	51
Indiana	36,611	160,670	197,281	223	1,346	21
Michigan	35,585	282,211	317,797	376	1,487	79
Ohio	25,357	344,514	369,872	644	1,889	80
Wisconsin	74,410	303,106	377,515	883	550	36
East North Central	205,788	1,663,250	1,869,037	2,748	8,740	267
Iowa	247,638	769,295	1,016,934	1,670	3,387	295
Kansas	307,916	553,516	861,432	1,770	135	37
Minnesota	247,057	593,988	841,045	1,393	1,081	177
Missouri	146,098	718,960	865,059	1,380	1,597	10
Nebraska	407,048	667,154	1,074,201	1,758	1,677	44
North Dakota	183,798	194,942	378,740	774	25	45
South Dakota	378,835	614,466	993,301	1,580	1,693	282
West North Central	1,918,389	4,112,322	6,030,711	10,325	9,596	888
Delaware and Maryland	2,202	22,855	25,057	53	68	8
Florida	79,120	87,336	166,456	475	3	3
Georgia	44,564	103,946	148,510	494	153	2
North Carolina	25,167	108,685	133,852	243	690	24
South Carolina	21,553	97,188	118,741	326	51	1
Virginia	17,253	149,645	166,898	450	15	4
West Virginia	3,786	45,017	48,803	184	3	64
South Atlantic	193,645	614,672	808,317	2,225	983	106

See footnotes at end of table.

Continued—

Table 37.—Slaughter and nonslaughter livestock purchases, by reporting dealers and order buyers,¹ by region and State, 1999—continued

State and region ²	Value of livestock ³			Volume of purchases		
	Bought on commission	Bought for own account	Total	Cattle ⁴ and calves	Hogs and pigs	Sheep and lambs
	- - - - - Thousand dollars - - - - -			- - - - - Thousand head - - - - -		
Alabama	47,292	152,695	199,987	656	51	2
Arkansas	3,730	126,012	129,742	437	1	0
Kentucky	59,175	1,329,386	1,388,560	3,035	751	1
Louisiana	19,980	22,157	42,137	140	1	1
Mississippi	59,217	318,690	377,907	954	1	1
Tennessee	59,647	452,448	512,095	1,337	266	29
South Central	249,041	2,401,388	2,650,428	6,559	1,071	34
Oklahoma	181,361	528,810	710,171	1,947	123	47
Texas	413,214	1,336,567	1,749,781	4,482	197	862
Southern Plains	594,575	1,865,377	2,459,951	6,429	319	909
Arizona	8,809	14,352	23,161	46	0	47
Colorado	152,312	139,531	291,843	604	23	94
Idaho	129,206	200,339	329,545	686	6	135
Montana	91,102	442,219	533,321	1,062	8	294
Nevada	10,106	24,031	34,137	79	0	0
New Mexico	24,586	35,338	59,925	152	0	19
Utah	97,327	82,949	180,276	361	4	56
Wyoming	54,091	123,656	177,747	490	1	80
Mountain	567,539	1,062,416	1,629,955	3,481	42	725
California	98,154	335,324	433,478	1,158	49	120
Oregon	47,563	56,334	103,897	227	1	147
Washington	22,259	22,748	45,007	110	3	14
Pacific	167,975	414,406	582,381	1,495	53	281
48 State Total	3,927,890	12,500,161	16,428,051	34,586	21,164	3,369

¹ Dealers purchase livestock for resale on their own accounts. Order buyers purchase on a commission basis for others.

² Location of business addresses of dealers and order buyers. Total volume is allocated to one State even though firms can operate in more than one State.

³ May include other species.

⁴ Cattle includes steers, heifers, cows, and bulls.

⁵ Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Table 38.—Reported volume and value of marketings by firms selling on commission¹ and by reporting dealers and order buyers,²
1992-99

Item	1992	1993	1994	1995	1996	1997	1998	1999
Livestock marketed through firms selling on commission								
Cattle ³ and calves	42,087	40,319	45,060	40,407	42,234	39,162	38,477	41,112
Hogs and pigs	18,330	16,010	15,506	13,386	10,657	8,862	11,044	8,360
Sheep and lambs	5,253	5,175	5,153	4,625	5,735	3,973	4,332	4,379
Value of livestock	21,730,738	21,517,425	20,208,927	17,995,926	14,946,597	17,914,993	16,511,222	18,372,107
Livestock purchases by dealers and order buyers								
Cattle ³ and calves	35,247	37,709	31,679	30,344	33,349	37,619	30,743	34,586
Hogs and pigs	34,187	33,554	31,865	28,233	25,614	20,915	19,745	21,164
Sheep and lambs	4,129	3,915	4,269	4,003	4,198	3,992	2,702	3,369
Value of Livestock:								
Bought on commission	4,630,982	4,964,064	4,333,594	3,800,874	3,602,232	4,675,456	4,974,352	3,927,890
Bought for own account	14,991,718	15,625,548	13,726,170	12,460,890	11,155,572	13,083,692	10,792,972	12,500,161
Total	19,622,700	20,589,615	18,059,768	16,261,766	14,757,905	17,759,238	15,767,324	16,428,051

¹ Includes all auctions, terminal markets, video auctions, and country commission firms. A country commission firm is a market agency selling on commission that does not operate an auction or terminal market.

² Dealers purchase livestock for resale on their own accounts. Order buyers purchase on a commission basis for others.

³ Cattle includes steers, heifers, cows, and bulls.

PART III. ENTITIES REGISTERED WITH THE GRAIN INSPECTION, PACKERS AND STOCKYARDS ADMINISTRATION

Table 39.—Bonded packers,¹ posted stockyards,² and entities registered with GIPSA, September 30, 2000

State and region	Bonded packers	Posted stockyards	Entities registered with GIPSA				
			Bonded dealers and market agencies ³			Packer buyers ⁵	Total registrants
			SOC only	SOC and BOC or dealer	Dealer and/or BOC ⁴		
<u>Number</u>							
Connecticut	0	2	0	2	5	6	13
Maine	1	3	0	1	14	6	21
Massachusetts	2	4	3	1	12	4	20
New Hampshire	0	0	0	0	12	0	12
New Jersey	14	4	3	3	9	19	34
New York	15	37	11	19	151	24	205
Pennsylvania	36	39	29	14	161	102	306
Rhode Island	1	0	0	0	1	0	1
Vermont	2	7	3	3	53	6	65
North Atlantic	71	96	49	43	418	167	677
Illinois	21	37	21	22	184	149	376
Indiana	4	29	18	13	85	102	218
Michigan	8	23	9	20	39	37	105
Ohio	27	32	18	22	115	64	219
Wisconsin	13	29	12	32	288	64	396
East North Central	73	150	78	109	711	416	1,314
Iowa	12	80	31	40	321	455	847
Kansas	6	68	43	16	191	58	308
Minnesota	8	33	19	23	158	118	318
Missouri	7	109	64	37	171	73	345
Nebraska	6	56	17	45	236	169	467
North Dakota	2	16	11	7	78	10	106
South Dakota	4	47	21	34	180	68	303
West North Central	45	409	206	202	1,335	951	2,694
Delaware	0	2	1	0	2	0	3
Florida	8	19	13	6	55	20	94
Georgia	12	61	33	22	97	36	188
Maryland	5	8	5	4	25	11	45
North Carolina	15	30	22	10	52	38	122
South Carolina	5	28	25	6	28	21	80
Virginia	5	31	20	18	84	23	145
West Virginia	3	13	9	6	34	2	51
South Atlantic	53	192	128	72	377	151	728

See footnotes at end of table.

Continued—

Table 39.—Bonded packers,¹ posted stockyards,² and entities registered with GIPSA, September 30, 2000—continued

State and region	Bonded packers	Posted stockyards	Entities registered with GIPSA				
			Bonded dealers and market agencies ³			Packer buyers ⁵	Total registrants
			SOC only	SOC and BOC or dealer	Dealer and/or BOC ⁴		
<u>Number</u>							
Alabama	4	38	22	18	84	10	134
Arkansas	4	44	20	23	57	24	124
Kentucky	3	43	23	15	100	25	163
Louisiana	6	24	9	12	33	20	74
Mississippi	3	37	24	15	65	20	124
Tennessee	8	47	31	27	127	31	216
South Central	28	233	129	110	466	130	835
Oklahoma	3	72	59	25	152	23	259
Texas	28	177	108	53	302	41	504
Southern Plains	31	249	167	78	454	64	763
Arizona	1	7	7	3	19	5	34
Colorado	5	25	16	22	106	29	173
Idaho	3	18	10	9	142	24	185
Montana	3	16	16	13	254	7	290
Nevada	0	2	3	1	17	0	21
New Mexico	1	15	4	10	45	5	64
Utah	2	12	8	8	88	5	109
Wyoming	1	9	11	4	58	3	76
Mountain	16	104	75	70	729	78	952
California	27	54	24	30	128	59	241
Oregon	2	18	10	9	75	5	99
Washington	8	14	9	8	71	11	99
Pacific	37	86	43	47	274	75	439
Alaska	0	0	0	0	0	0	0
Hawaii	5	0	1	0	0	6	7
United States	359	1,519	876	731	4,764	2,038	8,409

¹ Bonds cover livestock purchases. Subsidiaries or other separate operating units of merged firms may hold separate bonds. Number of bonded packers represents total number of bonded entities, so may be larger than number of firms resulting from combining subsidiaries as indicated in other tables in this report. Excludes Canadian packers.

² Includes terminal and auction markets located at stockyards. Excludes video and electronic auctions that are not operated at a stockyard.

³ SOC = market agencies selling on commission; BOC = market agencies buying on commission.

⁴ Includes firms that provide clearing services. These firms provide bond coverage for some dealers and market agencies buying on commission.

⁵ Individual buyers employed by bonded packers and registered with GIPSA.

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Table 40.—Bonded packers,¹ posted stockyards, entities registered with GIPSA, and type of bond coverage, 1990-2000

Item											
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Entities registered with GIPSA. ²	<u>Number</u>										
Bonded dealers and market agencies ³											
SOC only—	911	909	898	921	897	902	899	890	884	913	876
SOC and BOC or dealer	910	908	896	880	868	881	853	823	791	787	731
Dealer and/or BOC ⁴	5,360	5,409	5,389	5,383	5,397	5,293	5,236	5,190	5,015	4,877	4,764
Packer buyers ⁵	2,424	2,419	2,318	2,071	2,213	2,042	2,167	2,113	2,054	2,044	2,038
Total registrants	9,605	9,645	9,501	9,255	9,375	9,118	9,155	9,016	8,744	8,621	8,409
Bonded packers ⁶	574	585	533	517	486	467	430	427	399	386	359
Posted stockyards ⁷	1,618	1,614	1,581	1,617	1,620	1,589	1,560	1,574	1,582	1,548	1,519
	<u>Million dollars</u>										
Clause one bonds ⁸	110.2	120.8	111.2	120.6	109.1	107.1	103.3	101.1	102.8	105.5	99.5
Clause two bonds ⁹	151.5	157.1	151.2	150.4	149.8	139.2	133.3	130.4	132.5	131.4	128.6
Clause two/three bonds ¹⁰	6.3	6.8	6.1	8.4	9.7	9.9	10.5	12.4	13.4	13.1	13.9
Clause four bonds ¹¹	282.4	312.4	311.7	300.4	302.5	300.5	377.4	387.2	304.5	301.3	300.4

¹ Bonds cover livestock purchases. A firm may have more than one bond covering different types of livestock transactions.

² Beginning in 1998, includes registrants operating in Canada.

³ SOC = market agencies selling on commission; BOC = market agencies buying on commission.

⁴ Includes firms that provide clearing services. These firms provide bond coverage for some dealers and market agencies buying on commission.

⁵ Individual buyers employed by bonded packers and registered with GIPSA.

⁶ Bonds cover livestock purchases. Subsidiaries or other separate operating units of merged firms may hold separate bonds and file separate annual reports.

Number of bonded packers represents total number of bonded entities, so may be larger than number of firms resulting from combining subsidiaries as indicated in other tables in this report. Excludes Canadian packers.

⁷ Includes terminal and auction markets located at stockyards. Excludes video/electronic auctions that are not operated at a stockyard. Historical data revised from past issues.

⁸ Cover selling-on-commission transactions.

⁹ Cover buying-on-commission and dealer transactions.

¹⁰ Cover buying-on-commission, dealer, and clearing-services transactions.

¹¹ Cover packer livestock purchase transactions.

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